

TITLE

Use of Modifiers in a Dinitrile Hydrogenation Process

ABSTRACT

Catalytic process for hydrogenating a dinitrile to produce both
5 aminocapronitrile and hexamethylenediamine in which the dinitrile is
contacted with hydrogen in the presence of a catalyst and a modifier
selected from the group consisting of quaternary ammonium hydroxides,
cyanides, fluorides and thiocyanides; quaternary phosphonium hydroxide;
carbon monoxide; and hydrogen cyanide.